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PTO/SB/06 (12-04)
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PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number: **10-829,494**

APPLICATION AS FILED – PART I

FOR	NUMBER FILED (Column 1)	NUMBER EXTRA (Column 2)	SMALL ENTITY RATE ($)	SMALL ENTITY FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))							
SEARCH FEE (37 CFR 1.16(k), (i), or (m))							
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))							
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X =			X =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X =		OR	X =	
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
			TOTAL			TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

APPLICATION AS AMENDED – PART II

AMENDMENT A

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)		HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	=		OR	=	
Independent (37 CFR 1.16(h))	*	Minus	***	=	=		OR	=	
Application Size Fee (37 CFR 1.16(s))							OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

AMENDMENT B   1·23·06

RCE	CLAIMS REMAINING AFTER AMENDMENT (Column 1)		HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	8	Minus	20	—	=		OR	=	
Independent (37 CFR 1.16(h))	6	Minus	4	2	=		OR	200 =	400⁰⁰
Application Size Fee (37 CFR 1.16(s))							OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	400⁰⁰ Pd.

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20"
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3"
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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JAN 2 3 2006

PATENT APPLICATION
Attorney Docket: 70031106-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ch'ng, et al	
Serial No.:	10/829,494	
Filed:	4/21/2004	
For:	Absolute Encoder	
Group Art Unit:	2878	Examiner: Wyatt, Kevin S.

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated 12/01/2005, in the above-identified patent application, Applicant submits the following Amendments and Remarks. An RCE accompanies this response. Applicant respectfully requests that the following amendments be entered into the above-identified application and that the Examiner reconsider the grounds for rejection stated in the Office Action.

state value track. The above amendments to Claims 5 and 10 make it clear that the state value track is different from the incremental and absolute value tracks. The purpose of the state value track is to provide a mapping between the absolute position and some other variable used by the system connected to the encoder. Ohtomo does not provide any such teaching. Hence, Applicant submits that there are additional grounds for allowing Claims 5 and 10.

Regarding Claims 4 and 9, the Examiner has not pointed to any teaching in Ohtomo of a track constructed from a light sensitive reflective medium as claimed in these claims. Hence, Applicant submits that there are additional grounds for allowing Claims 4 and 9.

The Examiner indicated that Claims 2 and 7 would be allowable if rewritten in independent form. The above amendments provide the required redrafting of these claims.

I hereby certify that this paper is being sent by FAX to 571-273-8300.

Respectfully Submitted,

Calvin B. Ward
Registration No. 30,896
Date: Jan. 23, 2006

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JAN 2 3 2006

ATTORNEY DOCKET NO. 70031106-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Ch'ng, et al

Serial No.:   10/829,494   Examiner: Wyatt, Kevin

Filing Date: April 21, 2004   Group Art Unit: 2878

Title: Absolute Encoder

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

☒ Response/Amendment   ☐ Petition to extend time to respond

☐ New fee as calculated below   ☐ Supplemental Declaration

☒ No additional fee (Address envelope to "Mail Stop Amendments")

☐ Other: (Fee $_____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		• 0	X 50	$ 0
INDEP. CLAIMS		MINUS		= 0	X 200	$ 0
☐ FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ 360	$ 0
EXTENSION FEE	1ST MONTH 120.00 ☐	2ND MONTH 450.00 ☐	3RD MONTH 1020.00 ☐	4TH MONTH 1590.00 ☐		$ 0
					OTHER FEES	$ 0
			TOTAL ADDITIONAL FEE FOR THIS AMENDMENT			$ 0

Charge $ 0___ to Deposit Account 50-3718. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-3718 pursuant to 37 CFR 1.2 5. Additionally please charge any fees to Deposit Account 50-3718 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

Ch'ng, et al

By

Calvin B. Ward
Attorney/Agent for Applicant(s)

Reg. No. 30,896

Date: January 23, 2006

Telephone No. 925-855-0413

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below:

Date of facsimile: January 23, 2006

Typed Name: Calvin B. Ward

Signature: _____

Rev 10/04 (TransAmd)